Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/21/2018 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125644	0	1.45	125518	1.40
Blue	F	SSC	125000	122491	-3	3.66	122756	3.53
Blue	E	FITC	23615	22841	-4	2.60	1024	10.49
Blue	D	PE	26739	26345	-2	2.17	950	10.26
Blue	B	PerCP-Cy5-5	48339	47369	-3	3.70	1363	17.51
Blue	A	PE-Cy7	45021	44740	-1	5.52	695	37.78
Red	C	APC	53064	52637	-1	2.72	3013	9.57
Red	A	APC-Cy7	57175	56776	-1	2.72	1202	11.06
Violet	B	V450	14728	13896	-6	5.95	659	10.17
Violet	A	V500	58621	56294	-4	5.87	2491	7.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19205	2.53	613	-1	N/A	N/A	Pass
Blue	F	SSC	60252	1.54	558	12	N/A	N/A	Pass
Blue	E	FITC	110	41.59	548	0	0.0199	199	Pass
Blue	D	PE	205	30.04	541	5	0.1419	213	Pass
Blue	B	PerCP-Cy5-5	212	46.92	639	4	0.0094	104	Pass
Blue	A	PE-Cy7	73	124.00	697	4	0.0103	8	Pass
Red	C	APC	346	28.45	599	2	0.0198	73	Pass
Red	A	APC-Cy7	131	40.67	581	1	0.0057	1902	Pass
Violet	B	V450	80	46.55	466	-4	0.0513	2866	Pass
Violet	A	V500	178	24.97	494	-3	0.0159	1084	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-31.28	0.94
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	17.34	14.40 - 21.60	N/A	N/A	31.02	31.41	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9584

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments